Most Frequently Occurring Classifications of Patents Returned From A Search of 10/709,719 on September 22, 2005

Combined Classifications

18 257/E27.096					
14 257/E21.652					
12 257/296					
12 257/E27.091					
11 257/301					
11 257/302					
9 438/242					
7 257/303					
7 257/306					
7 257/E21.648					
7 257/E21.651					
7 257/E27.103					
7 438/243					
6 257/E21.655					
6 257/E27.089					

2 365/149 2 438/152 2 438/155 2 438/207 2 438/246 2 438/249 2 438/257 2 438/299 2 438/300 2 438/386 2 438/387 2 438/388 2 438/427

6 438/244 6 438/270 5 257/304 5 257/330 5 257/E21.693 5 257/E27.086 5 438/253 4 257/E27.092 4 257/E27.112 4 257/E29.346 4 438/248 4 438/396 3 257/E21.659 3 257/E29.262 3 438/255 3 438/268 3 438/269 3 438/294 3 438/392 3 438/398 2 257/305 2 257/309 2 257/311

2 257/318

2 257/329

2 257/332

2 257/E21.646

2 257/E21.657

2 257/E27.094

2 257/E27.097

2 257/E29.129

2 257/E29.274

2 257/E29.304

2 257/E29.343

2 257/E21.68

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12 257/296
               (7 OR, 5 XR)
     Class 257: ACTIVE SOLID-STATE DEVICES
     257/264
                       ... Enhancement mode or with high resistivity
                 channel (e.g., doping of 10 15 cm -3 or less)
                       .Having insulated electrode (e.g., MOSFET, MOS
     257/288
                diode)
     257/296
                       ..Insulated gate capacitor or insulated gate
                transistor combined with capacitor (e.g., dynamic memory
                cell)
11 257/301
               (5 OR, 6 XR)
     Class 257: ACTIVE SOLID-STATE DEVICES
     257/264
                       ...Enhancement mode or with high resistivity
                 channel (e.g., doping of 10 15 cm -3 or less)
                       .Having insulated electrode (e.g., MOSFET, MOS
     257/288
                 diode)
     257/296
                       ..Insulated gate capacitor or insulated gate
                transistor combined with capacitor (e.g., dynamic memory
                cell)
     257/301
                       ...Capacitor in trench
11 257/302
                (5 OR, 6 XR)
     Class 257: ACTIVE SOLID-STATE DEVICES
                       ....Enhancement mode or with high resistivity
     257/264
                  channel (e.g., doping of 10 15 cm -3 or less)
     257/288
                       .Having insulated electrode (e.g., MOSFET, MOS
                 diode)
     257/296
                       .. Insulated gate capacitor or insulated gate
                 transistor combined with capacitor (e.g., dynamic memory
                 cell)
     257/301
                       ... Capacitor in trench
                       ....Vertical transistor
     257/302
 9 438/242
               (2 OR, 7 XR)
     Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
                       MAKING FIELD EFFECT DEVICE HAVING PAIR OF
     438/142
                  ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION
OR ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS
                       .Having insulated gate (e.g., IGFET, MISFET,
     438/197
                  MOSFET, etc.)
     438/238
                       .. Including passive device (e.g., resistor,
                 capacitor, etc.)
     438/239
                       ... Capacitor
     438/241
                       ....And additional field effect transistor
                (e.g., sense or access transistor, etc.)
     438/242
                       .....Including transistor formed on trench
                sidewalls
 7 257/303
               (1 OR, 6 XR)
     Class 257: ACTIVE SOLID-STATE DEVICES
     257/264
                       ... Enhancement mode or with high resistivity
                  channel (e.g., doping of 10 15 cm -3 or less)
                       .Having insulated electrode (e.g., MOSFET, MOS
     257/288
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diode)

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257/296
                     .. Insulated gate capacitor or insulated gate
               transistor combined with capacitor (e.g., dynamic memory
               cell)
     257/301
                     ...Capacitor in trench
     257/303
                     ....Stacked capacitor
 7 257/306
              (1 OR, 6 XR)
     Class 257: ACTIVE SOLID-STATE DEVICES
     257/264
                     ...Enhancement mode or with high resistivity
                channel (e.g., doping of 10 15 cm -3 or less)
     257/288
                     .Having insulated electrode (e.g., MOSFET, MOS
               diode)
                     .. Insulated gate capacitor or insulated gate
     257/296
               transistor combined with capacitor (e.g., dynamic memory
               cell)
     257/306
                     ... Stacked capacitor
 7 438/243
              (2 OR, 5 XR)
     Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
     438/142
                     MAKING FIELD EFFECT DEVICE HAVING PAIR OF
                 ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION
                    ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS
OR
                     .Having insulated gate (e.g., IGFET, MISFET,
     438/197
                MOSFET, etc.)
     438/238
                     ...Including passive device (e.g., resistor,
                capacitor, etc.)
     438/239
                     ...Capacitor
     438/243
                     ....Trench capacitor
 6 257/E21.655 (0 OR, 6 XR)
     Class 257: ACTIVE SOLID-STATE DEVICES
     Could not find subclass title.
 6 438/244
              (2 OR, 4 XR)
     Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
                     MAKING FIELD EFFECT DEVICE HAVING PAIR OF
     438/142
                 ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION
OR
                 ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS
                     .Having insulated gate (e.g., IGFET, MISFET,
     438/197
                 MOSFET, etc.)
                     ...Including passive device (e.g., resistor,
     438/238
                capacitor, etc.)
                     ... Capacitor
     438/239
                     ....Trench capacitor
     438/243
                     .....Utilizing stacked capacitor structure
     438/244
               (e.g., stacked trench, buried stacked capacitor, etc.)
              (3 OR, 3 XR)
 6 438/270
     Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
     438/142
                     MAKING FIELD EFFECT DEVICE HAVING PAIR OF
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ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS .Having insulated gate (e.g., IGFET, MISFET, 438/197 MOSFET, etc.) 438/268 ..Vertical channel 438/270 ...Gate electrode in trench or recess in semiconductor substrate (0 OR, 5 XR) 5 257/304 Class 257: ACTIVE SOLID-STATE DEVICES 257/264 ... Enhancement mode or with high resistivity channel (e.g., doping of 10 15 cm -3 or less) .Having insulated electrode (e.g., MOSFET, MOS 257/288 diode) .. Insulated gate capacitor or insulated gate 257/296 transistor combined with capacitor (e.g., dynamic memory cell) ...Capacitor in trench 257/301Storage node isolated by dielectric from 257/304 semiconductor substrate 5 257/330 (1 OR, 4 XR) Class 257: ACTIVE SOLID-STATE DEVICES ...Enhancement mode or with high resistivity 257/264 channel (e.g., doping of 10 15 cm -3 or less) .Having insulated electrode (e.g., MOSFET, MOS 257/288 diode) ..Short channel insulated gate field effect 257/327 transistor ...Gate controls vertical charge flow portion 257/329 of channel (e.g., VMOS device)Gate electrode in groove 257/330 5 438/253 (4 OR, 1 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS MAKING FIELD EFFECT DEVICE HAVING PAIR OF 438/142 ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS .Having insulated gate (e.g., IGFET, MISFET, 438/197 MOSFET, etc.) ...Including passive device (e.g., resistor, 438/238 capacitor, etc.) ... Capacitor 438/239Stacked capacitor 438/253

PLUS Search Results for S/N 10/709,719, Searched September 22, 2005 (Top 50)

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6316309	5874760	5909044	5950084	5350708
4974060	5990509	6204112	5929477	4797373
5429978	6033957	5460994	6077745	5627092
5594682	5828094	5547889	6114725	5744390
5001526	5952039	5574299	6440801	5783848
6013548	6040210	5177576	5198383	5913129
6034389	5888864	5571730	5252845	4833516
6137128	6737316	5612559	6251726	5945704
5874334	6426252	5874757	6479852	6018174
5663093	6566177	5942777	5250830	6355529